

Residential Training

# Summer School on Regulation of Energy Utilities



@EUI\_FSR #FSRSummerSchool

**1 - 5 July 2024**

Sala Europa - Villa Schifanoia, Via Boccaccio 121 - Florence

Course Director:

**Prof. Carlos Batlle** | Florence School of Regulation, MIT Energy Initiative and Comillas University

Training Coordinator:

**Elena Bondesan** | Florence School of Regulation, RSCAS, EUI

## Introduction

Europe has undertaken the great task of integrating the energy markets at the continental level. Much progress has been achieved thanks to comprehensive policy and regulatory efforts put forth to coordinate the objectives of all market participants in an open, fair and sustainable competitive market. Energy companies, Transmission System Operators, distribution utilities and every market agent has been tasked to align local policies and regulatory frameworks with an increasingly ever more comprehensive European regulatory framework that fosters cross-border exchange and cooperation.

The FSR Summer School on Regulation of Energy Utilities will provide the most up-to-date and comprehensive view of the key regulatory principles, actions and implications of the current regulatory framework, highlighting the key challenges for the alignment of the industry with the policy goals of sustainability and security of supply.

The Summer School balances theory with practice with key practical study cases illustrated directly by the agents and decision-makers involved, including former and current energy regulators, renowned academics and professionals from leading energy companies.



## Draft Programme

### 1 July

#### Day 1

09:00 - 09:15 Introduction to the course and tour de table introduction of participants and their course expectations.

**Carlos Batlle** | MIT Energy Initiative, Florence School of Regulation

09:15 - 10:45 Theory and principles of regulation. Models of regulation.

**Alberto Pototschnig** | Florence School of Regulation, RSCAS, EUI

10:45 - 11:00 *Coffee break*

11:00 - 12:30 *Jam session:* Restructuring of the energy power industry. Basic policies and features in Europe.

**Alberto Pototschnig** | Florence School of Regulation, RSCAS, EUI  
**Rudi Hakvoort** | Delft University

12:30 - 14:00 *Lunch*

14:00 - 15:30 Traditional regulation of energy utilities. Regulation of monopolistic activities. Approaches to price control.

**Rudi Hakvoort** | Delft University

15:30 - 15:45 *Coffee break*

15:45 - 17:15 Service Quality Regulation in Electricity Distribution Networks.

**Elena Fumagalli** | Copernicus Institute of Sustainable Development, Utrecht University

17:15 - 17:30 Wrap-up of first day.

**Carlos Batlle** | MIT Energy Initiative, Florence School of Regulation

17:30 - 18:30 *Welcome cocktail*

### 2 July

#### Day 2

09:00-09:15 Introduction.

**Carlos Batlle** | MIT Energy Initiative, Florence School of Regulation

09:15 - 10:45 Wholesale electricity markets and power exchanges.

**Carlos Batlle** | MIT Energy Initiative, Florence School of Regulation

10:45 - 11:00 *Coffee break*

11:00 - 12:30 Case example on PXs: Price coupling of regions-PCR.

**Juan Pérez** | EPEX SPOT

12:30 - 14:00 *Lunch*

- 14:00 - 15:30 Gas markets.  
**Flora Triolo** | The Brattle Group  
**Oscar Fletcher** | The Brattle Group
- 15:30 - 15:45 *Coffee break*
- 15:45 - 17:15 Case example on gas markets.  
**Flora Triolo** | The Brattle Group  
**Oscar Fletcher** | The Brattle Group
- 17:15 - 17:30 Wrap-up of second day.  
**Carlos Batlle** | MIT Energy Initiative, Florence School of Regulation
- 20:00 - *Group Dinner*
- 3 July** **Day 3**
- 09:00 - 09:15 Introduction.  
**Carlos Batlle** | MIT Energy Initiative, Florence School of Regulation
- 09:15 - 10:45 Gas storage in the gas market.  
**Marzia Sesini** | Florence School of Regulation, RSCAS, EUI
- 10:45 - 11:00 *Coffee break*
- 11:00 - 12:30 Case example on gas networks: the EU gas systems.  
**Nico Keyaerts** | ACER
- 12:30 - 13:45 *Lunch*
- 13:45 - 15:15 The electricity transmission and distribution networks.  
**Goran Majstrovic** | Energy Institut Hrvoje Požar
- 15:15 - 16:30 Case example on electricity grids: Locational Wholesale Electricity Market Design Options.  
**Tim Schittekatte** | FTI Consulting
- 17:00 - 17:20 FSR 20th anniversary celebration in Refettorio, Badia Fiesolana.  
Welcome address.  
**Patrizia Nanz** | President, European University Institute  
**Leonardo Meeus** | Director, Florence School of Regulation
- 17:20 - 18:00 Europe at a cross-road: affordability, sustainability, autonomy – a roundtable of advisory committee members.  
**Erik Jones** | Director, Robert Schuman Centre for Advanced Studies  
**Catharina Sikow-Magny** | Director Green Transition and Energy System Integration, DG for Energy, European Commission  
**Nathalie Berger** | Director, Support to Member State Reforms, DG Reform, European Commission  
**Clara Poletti** | Board of Regulators Chair, ACER, and Commissioner, ARERA

18:00 - 19:30 *Cocktail and music*

**4 July** **Day 4**

09:00 - 09:15 Introduction.

**Carlos Batlle** | MIT Energy Initiative, Florence School of Regulation

09:15 - 10:45 Fundamentals on energy tariff design.

**Tim Schittekatte** | FTI Consulting

10:45 - 11:00 *Coffee break*

11:00 - 12:30 Retail regulation.

**Carlos Batlle** | MIT Energy Initiative, Florence School of Regulation

12:30 - 14:00 *Lunch*

14:00 - 15:30 Retail market regulation, retail prices and competition.

**Csilla Bartok** | ACER

15:30 - 15:45 *Coffee break*

15:45 - 17:15 Liberalization and decarbonization process – challenges ahead.

**Massimo Ricci** | ARERA

17:15 - 17:30 Wrap-up of fourth day.

**Carlos Batlle** | MIT Energy Initiative, Florence School of Regulation

**5 July** **Day 5**

09:00 - 10:30 Case example on energy markets: Latin American energy markets.

**Luiz Augusto Barroso** | PSR Energy Consulting and Analytics

10:30 - 11:00 *Coffee break*

11:00 - 12:30 The Inflation Reduction Act and its impact on US energy markets and decarbonization.

**Jesse Jenkins** | Princeton University

12:30 - 14:00 Renewable energy integration: Long-term investment incentivisation through contracts-for-difference.

**Lena Kitzing** | Technical University of Denmark (DTU)

14:00 - 14:15 Wrap-up and conclusions of the course.

**Carlos Batlle** | MIT Energy Initiative, Florence School of Regulation

14:15 - *Farewell lunch*